

Beta Testing Document

for

FLEET

Version 1.0

Prepared by

Group 12

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Date: 18 April 2025

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Revisions

Version	Primary Author(s)	Description of Version	Date Completed
1.0	Team Aviators	Beta testing for Group 11	20/4/2025

1 Introduction

The "**Fleet**" platform is a new, standalone web application designed to make vehicle rentals easier by connecting vehicle owners with renters. It offers features like vehicle listings, secure bookings, payment processing, and feedback, all within an easy-to-use interface. Built from scratch, it meets the current needs of vehicle rental services and is not a part of an existing product family.

The "**Fleet**" platform is a new, self-contained web-based application developed to simplify the process of renting vehicles by connecting vehicle renters with customers. It is designed to offer a comprehensive range of features, including vehicle listings, secure booking, payment processing, and feedback systems, all integrated into a user-friendly interface. The platform is not a follow-on member of a product family or a replacement for existing systems but is developed from the ground up to address the modern needs of vehicle rental services.

"**Fleet**" operates independently but can connect with other services to provide features like instant booking confirmations and secure payment processing. The platform's backend processes all the data and business logic, ensuring seamless interaction between different components such as user authentication, vehicle management, and booking systems.

2 List of Reported Bugs

BUG 1

Tested Feature: No support for date-specific unavailability of vehicles

Tester Name: Aaradhya

Testing Date: 10/04/2025

Bug Details: Vehicles can't be temporarily marked unavailable for booking periods.

For instance, if a car is reserved from 28th April to 30th April, then it must automatically be marked as unavailable only for those specific dates, but not unavailable for booking on other days prior and subsequent to those.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 2

Tested Feature: Not Available filter not working

Tester Name: Avantika

Testing Date: 10/04/2025

Bug Details: When adding or updating a vehicle and setting its status to "Not Available", it does not appear in the results when using the "Not Available" filter.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 17/04/2025

Comment:

BUG 3

Tested Feature: Driver option filter not working as expected

Tester Name: Daksh

Testing Date: 10/04/2025

Bug Details: While renting, selecting "With Driver" or "Without Driver" does not correctly filter the vehicles. Vehicles without the selected driver option are still being shown.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

Separate sets of vehicles are being shown on selecting with driver and own driving.

BUG 4

Tested Feature: Allow only existing drivers to be assigned when adding a vehicle

Tester Name: Bhavya

Testing Date: 10/04/2025

Bug Details: The system currently allows assigning vehicles to non-existent or new users, bypassing the intended restriction to only assign vehicles to existing drivers.

Bug Report Date: 10/04/2025

Has the bug been fixed? Not really

Date of Bug fixing: 18/04/2025

Comment: explanation given was this -The administrator is responsible for giving the correct inputs. It was not one of our features. It is not satisfactory because in future it may lead to misunderstanding.

BUG 5

Tested Feature: Rating not displayed correctly after adding a vehicle

Tester Name: Chaudhari Divyesh

Testing Date: 10/04/2025

Bug Details: When a vehicle is added with an initial rating, the rating is shown as 0 immediately after addition, even if a different value was entered.

However, after editing the same vehicle (changing the rating), the correct rating is displayed.

Bug Report Date: 10/04/2025

Has the bug been fixed? NO

Date of Bug fixing: 18/04/2025

Comment:

Rating was still set as zero even after initializing it as some random value.

BUG 6

Tested Feature: Vehicles not sorted by price or rating on the user interface

Tester Name: Atharva Phirke

Testing Date: 10/04/2025

Bug Details: The list of vehicles shown to users is not sorted by price or rating, even though users typically expect to see the lowest priced or highest rated options first.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

There are separate options to see vehicles sorted by price/rating.

BUG 7

Tested Feature: Multiple filters cannot be applied simultaneously while exploring vehicles

Tester Name: Areen Mahich

Testing Date: 10/04/2025

Bug Details: While exploring vehicles, the current filter system only allows one filter at a time (e.g., either by availability, or by driver preference, or by type), but not a combination of multiple filters.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

They have actually implemented parallel filters based on price, availability.

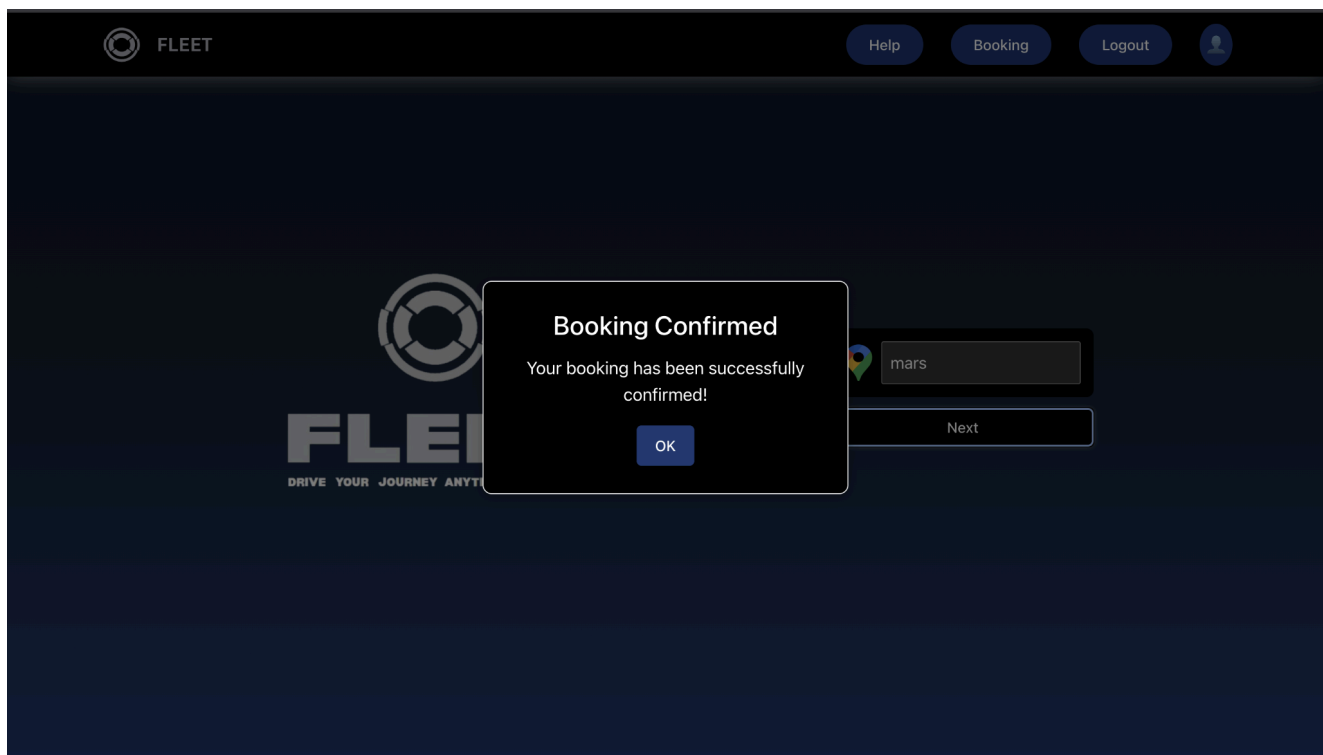
BUG 8

Tested Feature: Pickup address allows any random text or invalid location

Tester Name: Chaitanya Brahmapurikar

Testing Date: 10/04/2025

Bug Details: The pickup address field accepts any random text, including invalid or non-existent place names. This could lead to issues in delivery or location-based features.



Bug Report Date: 10/04/2025

Has the bug been fixed? No

Date of Bug fixing: 18/04/2025

Comment: It is their future development plan.

BUG 9

Tested Feature: Inconsistent currency format: INR on admin panel, USD on user interface

Tester Name: Rahul Meena

Testing Date: 10/04/2025

Bug Details: The prices are displayed in INR on the admin panel and in USD on the user interface. This inconsistency might confuse users and admins and lead to misinterpretation of pricing.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

Both are in INR now.

BUG 10

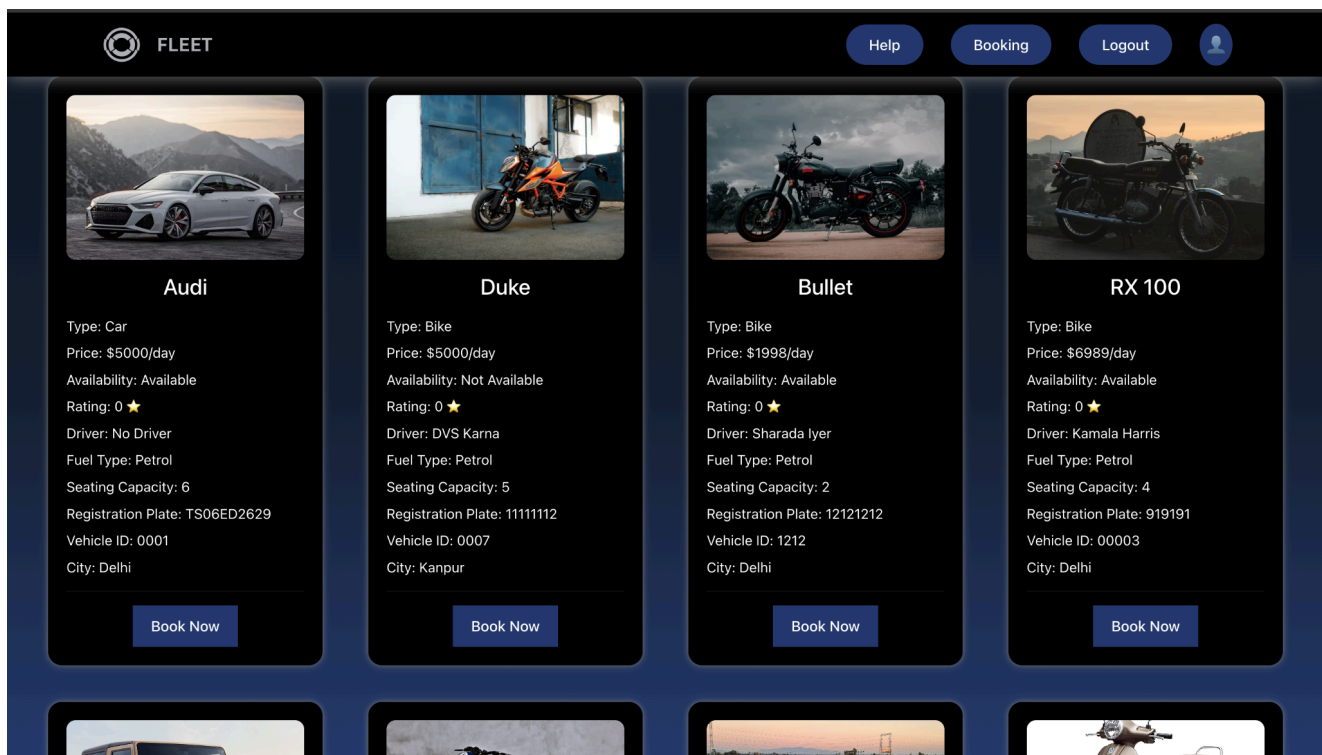
Tested Feature: Showing successfully booked for not available vehicles also

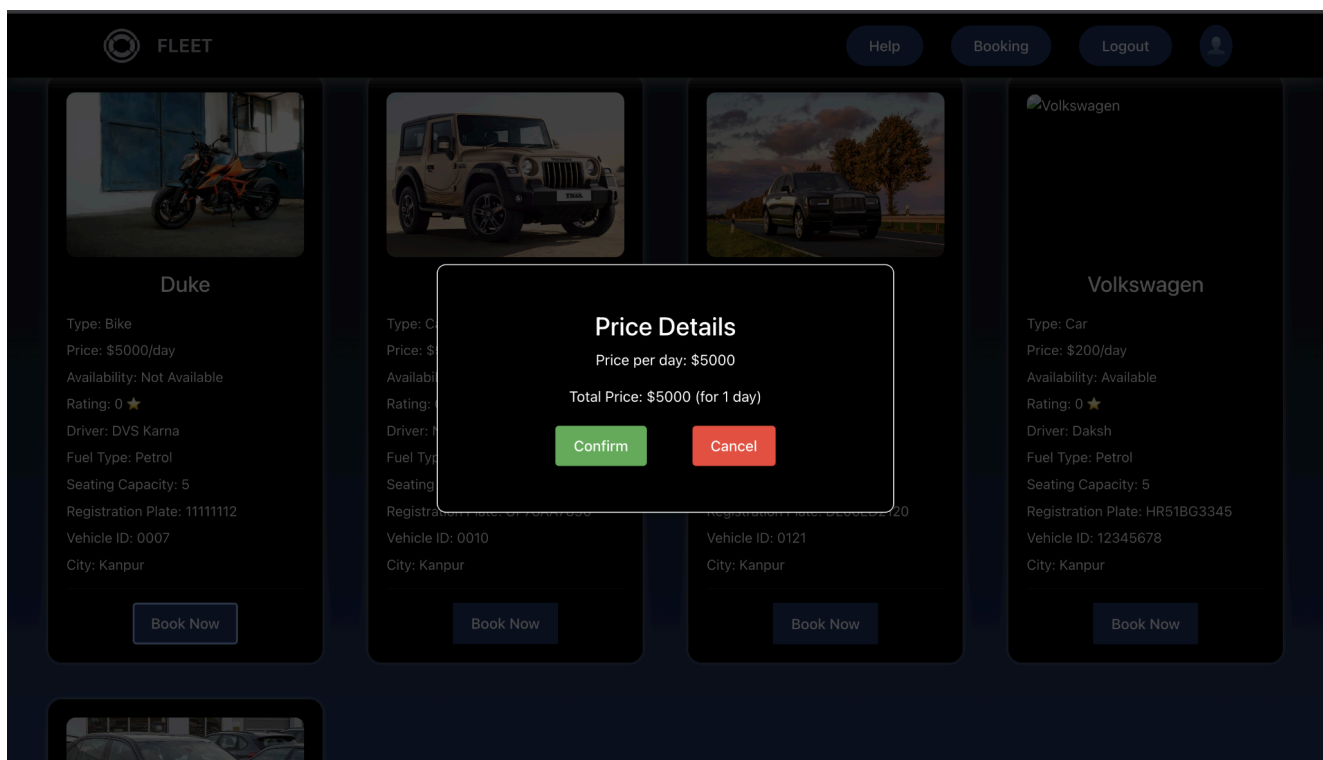
Tester Name: Devansh

Testing Date: 10/04/2025

Bug Details: Vehicles that are marked as not available are still showing a “Successfully Booked” pop-up message when a booking is attempted. This causes confusion and leads to invalid bookings, which affects both users and admin tracking.

(say) I'm booking Duke here,





Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 11

Tested Feature: Confirmed Booking Not Displayed in 'Active Bookings' Section

Tester Name: Rahul Meena

Testing Date: 10/04/2025

Bug Details: After confirming a booking, the 'Active Bookings' section does not update. No bookings are displayed there, even though the confirmation is successful.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 12

Tested Feature: Invalid Negative Values Allowed in Vehicle Numeric Fields

Tester Name: Daksh

Testing Date: 10/04/2025

Bug Details: Numeric fields like vehicle ratings, price per day, and seat capacity accept negative values, which is invalid.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 13

Tested Feature: Admin's "My Bookings" Interface Not Displaying Bookings

Tester Name: Avantika

Testing Date: 10/04/2025

Bug Details: In the Admin's "My Bookings" interface, bookings are not being fetched, resulting in no bookings being displayed.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 14

Tested Feature: Drive and vehicle have no foreign key relation.

Tester Name: Aaradhya

Testing Date: 10/04/2025

Bug Details: deleting a driver should set the vehicle to unavailable but due to there being no foreign key relation defined in vehicles database to the drivers database, this can not be done since the driver field allows any random text or string.

This creates a problem where the user can book an available vehicle whose driver doesn't exist.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment: not satisfactory explanation (admin who is managing website will take care of it)

BUG 15

Tested Feature: Logout Feature

Tester Name: Chaudhari Divyesh

Testing Date: 10/04/2025

Bug Details: Logout button wasn't working. The home page was still accessible after login

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

BUG 16

Tested Feature: Invalid Vehicle id in Driver's optional field

Tester Name: Bhavya Chauhan

Testing Date: 10/04/2025

Bug Details: An arbitrary vehicle id (a vehicle that doesn't even exist or is a string) can be associated with a driver.

Bug Report Date: 10/04/2025

Has the bug been fixed? Not really

Date of Bug fixing: 18/04/2025

Comment: It says that Admin should take care of that details. It is not satisfactory as it can lead to misunderstanding.

BUG 17

Tested Feature: Forgot password not visible in admin

Tester Name: Areen Mahich

Testing Date: 10/04/2025

Bug Details: In the Admin's "Sign In" page, forgot password option was not visible.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 18

Tested Feature: Driver's age not limited to Maximum limit

Tester Name: Chaitanya Brahmapurikar

Testing Date: 10/04/2025

Bug Details: The driver's age input allows any number to be selected, with no restriction up to the maximum age limit of 70.

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 19

Tested Feature: Logout button not working

Tester Name: Devansh

Testing Date: 10/04/2025

Bug Details: Clicking logout takes you to login page at

<http://localhost:5173/auth>

but the page at

<http://localhost:5173/home>

is still accessible. so the user is not able to log out even if he wants to. insecure

Bug Report Date: 10/04/2025

Has the bug been fixed? Yes

Date of Bug fixing: 18/04/2025

Comment:

BUG 20

Tested Feature: No rate limiting or throttling

Tester Name: Atharva

Testing Date: 10/04/2025

Bug Details: Currently a logged out user can have any number of invalid incorrect password attempts and the server allows it. This can be exploited by tools to perform brute force and dictionary attacks on the login page very easily.

Bug Report Date: 10/04/2025

Has the bug been fixed? No

Date of Bug fixing: 18/04/2025

Comment:

3 Overall Quality of the Software

1. How good is the user manual? Was it easy to install and run the software?

The user manual is well-structured and provides a clear and concise explanation of the system's functionalities. It outlines the roles of different users and describes the step-by-step procedures for tasks such as login, booking, approval, and logout. The manual uses a logical flow that makes it easy to understand, especially for new users.

The content is informative and covers the essential features, making it a helpful guide for users to navigate the system effectively.

2. How is the quality of the code? Is it well documented? Is the code modular? Are the variables and the function names meaningful?

The code is well-structured and modular, with meaningful variable and function names that make it easy to follow. It follows good programming practices, which helps with readability and maintenance. However, the documentation could be improved by adding more comments and function-level descriptions to explain the purpose and usage of different parts of the code. Overall, it shows good quality but would benefit from clearer documentation.

3. Do you think that the software lacks some major features that may make it less acceptable to the user?

The software, while functional in its core operations, lacks several important features that could affect its overall usability and user satisfaction. Firstly, the portal is not mobile-responsive, which can be inconvenient for users who prefer accessing services through their smartphones or tablets. Secondly, there is no notification system in place to alert users or admins about booking confirmations, cancellations, or updates, potentially leading to missed or forgotten bookings. Additionally, the system does not provide a booking history or downloadable receipts, which are essential for users to keep track of their past activities. Lastly, the absence of a feedback or rating system limits user engagement and makes it difficult for administrators to gather insights for service improvement. Incorporating these features would significantly enhance the user experience and acceptance of the software.

4. Does the software not satisfy any major non-functional requirements?

- 1) The phone number provided by the user is not verified.
- 2) Payment processing system is not implemented.

Appendix A - Group Log

S No	Time	Duration	Date	Pourspose	venue
1	6-8 pm	2 hours	6/4/25	To Run and discuss the basic overview of the website and documents	RM
2	8-11 pm	3 hours	9/4/25	Detailed discussion and the bugs found among teammates and cross verification.	KD Lab
3	2- 4 pm	2 hours	10/4/25	Discussion about the bugs given to our software	CCD
4	9-11 pm	2 hours	12/4/25	Matching every single functional and nonfunctional requirement	KD Lab
5	2-5 pm	3 hours	13/4/25	Had an overview of the provided code base.	KD Lab
6	3-6 pm	3 hours	15/4/25	FIxed the bugs of our code base.	KD Lab
7	7-8 om	1 hour	17/4/25	Had discussion about the final bugs changes on our codebase.	RM
8	3-5 pm	2 hours	19/4/25	Final discussion over fixed bugs	KD Lab